

GSD8-240-10N4X-U Cut Sheet



IronHorse GSD8 series DC digital drive, 120/240 VAC, 1-phase, 1hp at 90 VDC and 2hp at 180 VDC, 10A, RS-232/RS-485, ASCII, NEMA 4X, wall mount, field-install reverse, high-speed pulse or serial control input, SCR output. Requires encoder.

For complete product information, please see this item on our store at the following link:



<https://www.automationdirect.com/pn/GSD8-240-10N4X-U>

Technical Specifications

Brand	IronHorse
Item	Drive
Controller Type	Digital
Series	GSD8
Voltage Type	DC
Number of Input Phases	1
Nominal Drive Input Voltage	120/240 VAC
Nominal Drive Output Voltage	Output up to 90/180 VDC
Horsepower by Voltage	1hp at 90 VDC and 2hp at 180 VDC
Amperage Rating	10A
Variable Torque Amperage Rating	150 mA - 10A
Control Mode	DC
Safe Torque Off (STO)	No
Temperature Rating	-10 to 45 deg C
Enclosure Type	NEMA 4X
IP Rating	IP67
Mounting	Wall
Communication Port and Connection Type(s)	(1) RS-232/RS-485 (RJ45) port(s)

Port Protocol(s)	ASCII
Port Speed(s)	Up to 57.6k baud
Input Signal	High-speed pulse or serial control input
Input Voltage Signal Range	0-5 VDC, 0-24 VDC
Maximum Switching Frequency	10 kHz
Relay Configuration	(1) Form C (SPDT) relay
On/Off Switch	Yes
Shunt Field Supply	No
Output Type	SCR output
Reverse Capability	Field-install
Output Frequency Range	DC
Connector Type	Screw terminals
SCCR Rating	SCCR exempt
For Use With	Permanent magnet DC, shunt wound DC and universal motors
Includes	Factory-installed character display and auto/off/manual selector switch
Requires	Encoder

Agency Approvals

UL Listed File #	E333109
UL Recognized File #	None
UL Hazardous File #	None
CE	None
CSA File #	None
RoHS Status	Meets RoHS Chemical Restrictions - No CE (See RoHS Statement Below)
EU REACH	View EU REACH document

Dimensional Drawings



2D Drawing PDF Link:
<https://cdn.automationdirect.com/static/drawings/GSD8-240-10N4X-U.pdf>
See store item page for other formats.